

ABSTRACT OF THE DISCLOSURE

There are provided a synchronization circuit and a synchronization method which can obtain the synchronized signal stabilized in the frequency up to higher frequency band by satisfying both response characteristic and stability with a simplified structure. In the synchronization method, a first variable delay circuit generates a first pulse to be synchronized with a reference pulse, a second pulse which is leading in the phase to the first pulse and a third pulse which is delayed in the phase from the first pulse, the reference pulse and the first pulse are compared by a first phase comparing circuit, the reference pulse, second pulse and third pulse are compared by a second phase comparing circuit, a control voltage generating circuit forms a control voltage by giving priority to a comparison output of the second phase comparing circuit against a comparison output of the first phase comparing circuit, delay time of the first variable delay circuit is controlled, after the phases are matched, by forming the control voltage with the comparison output of the first phase comparing circuit.